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# *SUPPLEMENT*

PHOTOGRAPHIC INTERPRETATION REPORT



## KH-4 MISSION 1108

### IPIR NUMBER 18

### OAK SUPPLEMENT PART XIV

### 5-21 DECEMBER 1969

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AUTOMATIC DOWNGRADING  
AND DECLASSIFICATION

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**TARGET CATEGORIES  
AND  
ASSOCIATED NTP FUNCTIONAL AREAS (CODES)**

- |  |   |
|--|---|
| 1. STRATEGIC SSM<br>Deployed Strategic SSM Facilities (A)  | 7. GROUND<br>Ground Force Facilities (G)  |
| 2. MISSILE RANGES<br>Missile Ranges: Strategic SSM/Space Facilities (P)<br>Missile Ranges: Air-Launched Missile Facilities (Q)<br>Missile Ranges: Naval-Launched Missile Facilities (R)<br>Missile Ranges: Tactical SSM Facilities (S)<br>Missile Ranges: SAM/AMM Facilities (T) | 8. TACTICAL SSM<br>Deployed Tactical SSM Facilities (H)   |
| 3. AIR DEFENSE MISSILES<br>Deployed AMM Facilities (B)<br>Deployed SAM Facilities (D)  | 9. LOGISTICS<br>Military Logistics Facilities (K)   |
| 4. ELECTRONICS/COMMUNICATIONS<br>Deployed Communication/Electronic/Radar Facilities (C)  | 10. NUCLEAR ENERGY<br>Atomic Energy Facilities (O)  |
| 5. AIR<br>Air Base Facilities (E)  | 11. CBR<br>CBR Facilities (V)   |
| 6. NAVAL<br>Naval Base Facilities (F)  | 12. INDUSTRY<br>Strategic Weapons Industrial Facilities (J)<br>General Purpose Weapons Industrial Facilities (L)<br>Non-Military Industrial Facilities (N)<br>Communication/Electronic/Radar R&D Facilities (U) |
|  | 13. MISCELLANEOUS<br>Non-Military Logistics Facilities (M)<br>Miscellaneous/Unidentified Facilities (Z)   |

These thirteen target categories are compatible with the Functional Area of Imagery Interpretation established under the National Tasking Plan. To enhance the analysis of readout on operationally associated targets, each target is reported relative to its primary functional association (i.e., missile range tracking facilities are reported under "MISSILE RANGES," fly-away airfields at aircraft plants are reported under "INDUSTRY," airfield nuclear weapons storage facilities are reported under "AIR," etc.).

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PREFACE

PREFACE

THIS IS THE FOURTEENTH OAK SUPPLEMENT REPORT ON MISSION 1108.  
FOR COMPLETE PREFACE SEE THE FIRST OAK SUPPLEMENT REPORT.

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HIGHLIGHTS

MISSION HIGHLIGHTS

NEW POSSIBLY MISSILE RELATED FACILITY IN THE FAR EAST MD, USSR

A POSSIBLY MISSILE RELATED FACILITY UNDER CONSTRUCTION IS  
NEWLY IDENTIFIED NEAR SVOBODNY [REDACTED] USSR, 47  
NAUTICAL MILES EAST OF THE USSR-CHINA BORDER. TWO OTHER  
POSSIBLY MISSILE RELATED FACILITIES OF THE SAME TYPE HAVE  
PREVIOUSLY BEEN IDENTIFIED AT OTAR AND KHABAROVSK, WHICH ARE  
ALSO IN THE USSR-CHINA BORDER AREA. [REDACTED]

25X1A

25X1B

25X1B

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CHINA  
AIR DEFENSE MISSILES

### SIGNIFICANT RESULTS

CHIH-CHIN-HSIA SAM SEARCH AREA

40-10-//N 097-26-//E

25X1D

STATUS:UNKNOWN

25X1A

25X1A

#### REMARKS:

25X1D

THE WESTERN 90 PERCENT OF THE SEARCH AREA IS COVERED ON [REDACTED]  
[REDACTED] COVERS THE EASTERN 50 PERCENT OF THE SEARCH AREA,  
40 PERCENT OF WHICH IS CLOUD COVERED. YUMEN SAM SITE A-12 [REDACTED]

25X1A

[REDACTED] HAS BEEN ABANDONED, AND THE SUPPORT BUILDINGS ARE  
BEING DISMANTLED. YUMEN SAM SITE A12 A-2 [REDACTED] IS  
OCCUPIED. NO OTHER SAM-ASSOCIATED ACTIVITY IS OBSERVED.

25X1D

HSING-LUNG-CHUANG SAM SEARCH AREA

36-55-//N 100-51-//E

25X1D

STATUS:UNKNOWN

25X1A

25X1A

#### REMARKS:

25X1A

OF THE TWO KNOWN SAM SITES IN THE AREA, HAI-YEN B25-2 [REDACTED] 25X1D  
[REDACTED] IS UNOCCUPIED AND HAI-YEN B25A-2 [REDACTED] IS  
OCCUPIED.

25X1D

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CHINA  
AIR DEFENSE MISSILES

LAN-CHOU SAM SEARCH AREA

36-09-//N 103-30-//E

25X1D

25X1A

25X1A

STATUS: UNKNOWN

25X1A

25X1A

25X1A

REMARKS:

25X1D

LAN-CHOU SAM SITE B29-2

AND LAN-CHOU SAM SITE

C25A-2 ARE OCCUPIED. THE NEWLY IDENTIFIED

25X1D

LAN-CHOU SAM SITE B12A-2 IS OCCUPIED ON

25X1D

25X1D

BUT UNOCCUPIED ON THE NEWLY IDENTIFIED LAN-CHOU

25X1A

SAM SITE C29-2 IS UNOCCUPIED. A NEW SITE,

LAN-CHOU SAM SITE E04-2 IS OCCUPIED. 25X1A

25X1D

TANG-KU SAM SUPPORT FACILITY 1

NAC

25X1D

25X1A

STATUS: OPERATIONAL

REMARKS:

THIS ONSITE SUPPORT FACILITY IS AN INTERGRAL PART OF AND IS  
REPORTED UNDER TANG-KU SAM SITE B23-2

25X1A

25X1D

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CHINA  
GROUND FORCE FACILITIES

SIGNIFICANT RESULTS

25X1D

CHEN-CHIANG ARMY BKS SOUTHWEST AL 2  
NAC

25X1D

25X1A

STATUS:OCCUPIED

GROUND FORCE ORDER OF BATTLE:

25X1D

26 POSS TANKS IN THE  
TANK/ASSAULT FACILITY

25X1D

4 POSS TANKS

25X1D

25X1D

HANG-CHOU ARMY BARRACKS AL 8

25X1D

STATUS:NEGATED

25X1A

25X1A

REMARKS:

THE INSTALLATION AT THE REFERENCED COORDINATES IS PART OF A  
LARGE AGRICULTURAL COMMUNE.

25X1D

HANG-CHOU ARMY BARRACKS AREAS  
NAC

30-17-//N 120-11-//E

25X1D

STATUS:OCCUPIED

25X1A

REMARKS:

THIS INSTALLATION CONTAINS HANG-CHOU ARMY BKS AL 5  
AT 30-17-//N 120-11-//E AND HANG-CHOU ARMY BKS AL 4

25X1A

25X1D

5

25X1D

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CHINA  
GROUND FORCE FACILITIES

25X1A

[REDACTED]

25X1D

GROUND FORCE ORDER OF BATTLE:  
NONE DISCERNIBLE

25X1D

[REDACTED]

25X1D

I-HSING ARMY BARRACKS SOUTH AL 1  
[REDACTED] NAC

25X1D

STATUS:OCCUPIED

25X1A

GROUND FORCE ORDER OF BATTLE:  
20 PROB VEHICLES

25X1D

[REDACTED]

25X1D

PAN-CHIAO BARRACKS  
[REDACTED] NAC

25X1D

STATUS:OCCUPIED

25X1A

GROUND FORCE ORDER OF BATTLE:  
5 PROB VEHICLES

25X1D

[REDACTED]

25X1D

TANG-SHUI ARMY BARRACKS SOUTHEAST AL 2  
[REDACTED] NAC

25X1D

STATUS:OCCUPIED

25X1A

GROUND FORCE ORDER OF BATTLE:  
4 VEHICLES/PIECES OF  
EQUIPMENT

25X1D

[REDACTED]

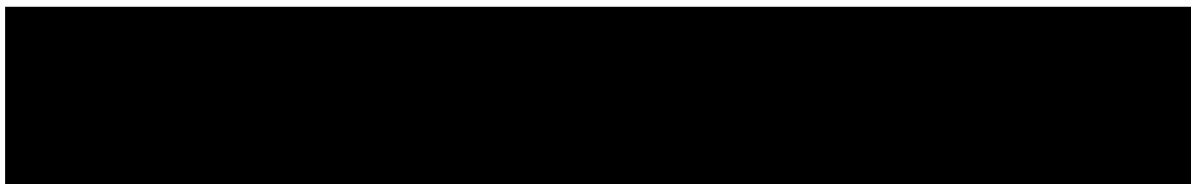
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CHINA  
GROUND FORCE FACILITIES

25X1D



25X1D

TUNG-SHAN-PEI ARMY BARRACKS  
NAC

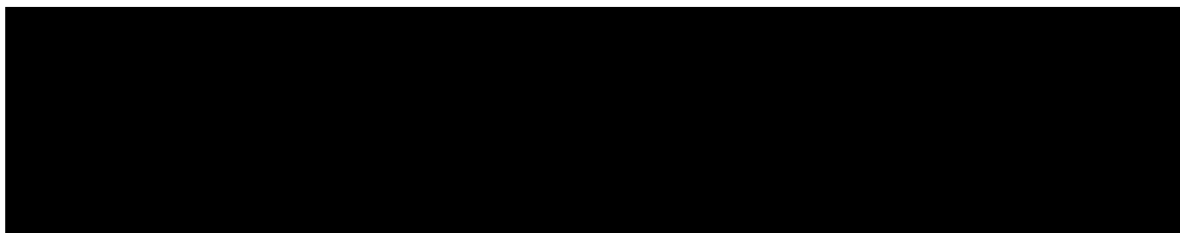
25X1D

STATUS:OCCUPIED

25X1A

GROUND FORCE ORDER OF BATTLE:  
7 VEHICLES/PIECES OF  
EQUIPMENT

25X1D



25X1D

WU-HSI ARMY BARRACKS WEST AL 1  
NAC

25X1D

STATUS:OCCUPIED

25X1A

GROUND FORCE ORDER OF BATTLE:  
2 PROB TANKS (CANVAS COVERED) 3 POSS VEHICLES

25X1D



25X1D

WU-HSI ARMY BKS WEST-SOUTHWEST AL 5  
NAC

25X1D

STATUS:OCCUPIED

25X1A

GROUND FORCE ORDER OF BATTLE:  
30 PROB AAA PIECES 35 POSS VEHICLES  
20 PROB CARGO TRUCKS (AT (APPROXIMATELY)

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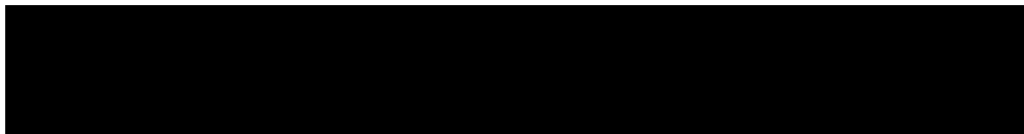
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CHINA  
GROUND FORCE FACILITIES

LEAST)

25X1D



25X1D

WU-LU-MU-CHI ARMY BARRACKS AL 7

25X1D



25X1A

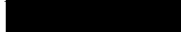


25X1A

STATUS:OCCUPIED

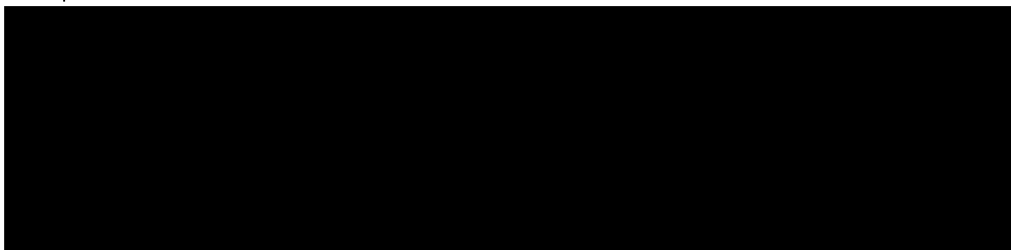
25X1D

GROUND FORCE ORDER OF BATTLE:



APPROX 15 POSS VEHICLES 900  
METERS TO THE SSE

25X1D



OTHER RESULTS-NO APPARENT CHANGE

25X1D

CHIANG-YIN ARMY BKS NORTH AL 1  
NAC

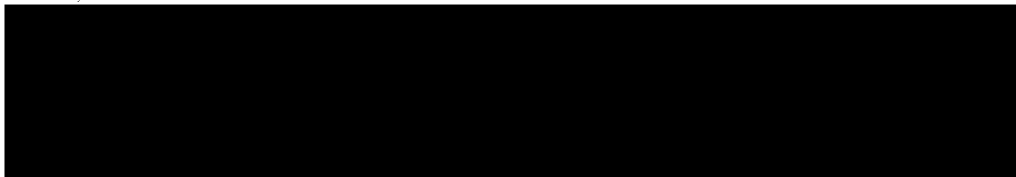
25X1D



STATUS:OCCUPIED

25X1A

GROUND FORCE ORDER OF BATTLE:  
NONE DISCERNIBLE



25X1D

**25X1D**

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CHINA  
INDUSTRY

SIGNIFICANT RESULTS

25X1D

LAN-CHOU RADAR PLANT 781 SEARCH

25X1D

STATUS: NEGATED

25X1A

25X1A

REMARKS:

NO RADAR PLANT CAN BE IDENTIFIED AT THE REFERENCED COORDINATES.

25X1D

Handle Via  
TACOM  
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CHINA  
MISCELLANEOUS

SIGNIFICANT RESULTS

25X1D

FU-SHUN COMPLEX

25X1A

25X1D

STATUS:OCCUPIED

25X1A

REMARKS:

ALL INDUSTRIES APPEAR ACTIVE. HEAVY SMOKE OBSCURES 80 PERCENT  
OF THE COMPLEX.

25X1D

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UNITED ARAB REPUBLIC  
AIR BASE FACILITIES

### SIGNIFICANT RESULTS

25X1D BILBAYS AIRFIELD

STATUS: OPERATIONAL

25X1A

25X1A

#### REMARKS:

TWENTY-NINE SINGLE-BAY, TWO DOUBLE-BAY, AND EIGHT POSSIBLE SINGLE-BAY HANGARETTES ARE AT THE AIRFIELD. WHETHER OR NOT THE EIGHT POSSIBLE HANGARETTES ARE DUMMY HANGARETTES CANNOT BE DETERMINED BECAUSE OF THE SMALL SCALE OF THE PHOTOGRAPHY. TWO PROBABLY PROTECTIVE STRUCTURES ARE UNDER CONSTRUCTION IN FRONT OF TWO HANGARETTES. THE FIELD IS EQUIPPED WITH PORTIONS OF AN ILS SYSTEM. FIVE EXPLOSIVES STORAGE BUILDINGS HAVE BEEN CONSTRUCTED AT THE AIRFIELD.

#### AIR ORDER OF BATTLE:

2 PROB BADGER (IN  
NET-COVERED SHELTERS)  
5 LIGHT STRAIGHT-WING

4 SMALL STRAIGHT-WING  
1 POSS SMALL AIRCRAFT (AT  
LEAST)

25X1D

25X1D CAIRO ALMAZA AIRFIELD

STATUS: OPERATIONAL

25X1A

25X1D

25X1A

#### REMARKS:

NINE PROBABLY PROTECTIVE STRUCTURES ARE UNDER CONSTRUCTION IN FRONT OF NINE HANGARETTES. FOUR AMMUNITION STORAGE BUILDINGS HAVE BEEN CONSTRUCTED.

#### AIR ORDER OF BATTLE:

16 LIGHT STRAIGHT-WING  
11 SMALL STRAIGHT-WING  
1 HOOK

5 MEDIUM HELICOPTERS  
3 POSS HELICOPTERS

25X1D

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UNITED ARAB REPUBLIC  
AIR BASE FACILITIES

25X1D

WADI AL JANDALI AIRFIELD

25X1A

25X1D

STATUS: OPERATIONAL

25X1A

REMARKS:

A PROBABLE NEW NNE/SSW RUNWAY IS OBSERVED IN THE INITIAL STAGE  
OF CONSTRUCTION IMMEDIATELY WEST OF THE NE/SW RUNWAY.

AIR ORDER OF BATTLE:

5 SMALL PROB DELTA-WING

25X1D



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UNITED ARAB REPUBLIC  
GROUND FORCE FACILITIES

SIGNIFICANT RESULTS

25X1D

AL ISMAILIYAH MILITARY AREA  
NAC

30-27-//N 032-15-//E

STATUS:OCCUPIED

25X1A

GROUND FORCE ORDER OF BATTLE:  
NUMEROUS VEHICLES OR PIECES OF EQUIPMENT

25X1D

25X1D

AL QAHIRAH BKS DIV HQ TNG CEN HUCKSTEP

25X1D

STATUS:OCCUPIED

25X1A

25X1A

REMARKS:  
CONSTRUCTION CONTINUES ON FACILITIES. APPROXIMATELY 1,000  
TENTS ARE OBSERVED.

GROUND FORCE ORDER OF BATTLE:  
1,000 VEHICLES OR PIECES OF  
EQUIPMENT (APPROXIMATELY)

25X1D

OTHER RESULTS-NO APPARENT CHANGE

25X1D

25X1D

AL QAHIRAH ARMY BKS + SCH AL HILMIYAH  
NAC

STATUS:OCCUPIED

25X1A

GROUND FORCE ORDER OF BATTLE:  
NONE DISCERNIBLE

25X1D

IMAGERY:

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NORTH KOREA  
LOGISTICS

### SIGNIFICANT RESULTS

25X1D

CHANGHANG PET PRDS STORAGE

25X1D

25X1A

25X1A

STATUS:NEGATED

#### REMARKS:

NO EVIDENCE OF POL STORAGE IS OBSERVED. THE AREA APPEARS TO BE UNDER CULTIVATION. THE REPORTED POL STORAGE MAY HAVE BEEN BUNKER-TYPE PILES OF AGRICULTURAL MATERIAL.

#### ASSOCIATED OBJECTS:

NONE DISCERNIBLE

25X1D

25X1D

HAMHUNG PET PRDS STORAGE

25X1A

25X1D

STATUS:OPERATIONAL

25X1A

#### REMARKS:

AT LEAST SIX HORIZONTAL BUNKERS AND FOUR SUPPORT BUILDINGS ARE OBSERVED.

#### ASSOCIATED OBJECTS:

NONE DISCERNIBLE

25X1D

25X1D

KOWON RAILROAD CLASSIFICATION YARDS

25X1D

25X1A

25X1A

STATUS:OPERATIONAL

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NORTH KOREA  
LOGISTICS

REMARKS:  
ACTIVITY APPEARS LIGHT.

25X1D

[REDACTED]

25X1D

PAEGAM RAILROAD YARDS AND SHOPS

[REDACTED]

25X1D

[REDACTED]

[REDACTED]

[REDACTED]

25X1A

25X1A

STATUS:OCCUPIED

25X1D

REMARKS:  
ON [REDACTED] THE YARD IS APPROXIMATELY 15 PERCENT FILLED.  
ACTIVITY IS MODERATE.

25X1D

ON [REDACTED] THE YARD IS MODERATELY ACTIVE AND APPROXIMATELY 20  
PERCENT FILLED.

25X1D

ASSOCIATED OBJECTS:

1 LOCOMOTIVE UNDER POWER

25X1D

[REDACTED]

25X1D

25X1D

WONSAN RR STATION YARDS + SHOPS

[REDACTED]

STATUS:OPERATIONAL

25X1A

25X1A

REMARKS:  
NO RAIL ACTIVITY IS OBSERVED.

ASSOCIATED OBJECTS:  
NONE DISCERNIBLE

25X1D

[REDACTED]

25X1D

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NORTH KOREA  
INDUSTRY

SIGNIFICANT RESULTS

25X1D

CHONGJIN IRON AND STEEL PLANT KIMCHAEK  
NAC

25X1D

STATUS: OPERATIONAL

25X1A

25X1B

ASSOCIATED OBJECTS:

25X1D

20 PIECES OF ROLLING STOCK  
(AT LEAST)

25X1D

25X1D

25X1D

HAGARU-RI HPP CHANGJIN-GANG 1

STATUS: OPERATIONAL

25X1A

25X1A

PHYSICAL DESCRIPTION:

14.2 NM NW OF ORO.

THE FACILITY CONSISTS OF A GENERATOR HALL, A SWITCHING YARD,  
FOUR PENSTOCKS, AND A SURGE TOWER.

25X1D

25X1D

25X1D

HAGARU-RI HPP CHANGJIN-GANG 2

STATUS: OPERATIONAL

25X1A

25X1A

PHYSICAL DESCRIPTION:

11 NM NW OF ORO.

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NORTH KOREA  
INDUSTRY

THE FACILITY CONSISTS OF A GENERATOR HALL, A SWITCHING YARD,  
FOUR PENSTOCKS, AND A SURGE TOWER.

25X1D

[REDACTED]

25X1D

25X1D

HAGARU-RI HPP CHANGJIN-GANG 3

STATUS: OPERATIONAL

25X1A

25X1A

PHYSICAL DESCRIPTION:

8.7 NM NW OF ORO.

THE FACILITY CONSISTS OF A GENERATOR HALL, A SWITCHING YARD,  
THREE PENSTOCKS, AND A SURGE TOWER.

25X1D

[REDACTED]

25X1D

25X1D

HAGARU-RI HPP CHANGJIN-GANG 4

STATUS: OPERATIONAL

25X1A

25X1A

PHYSICAL DESCRIPTION:

2.7 NM NW OF ORO.

THE FACILITY CONSISTS OF A GENERATOR HALL, A SWITCHING YARD,  
THREE PENSTOCKS, AND A SURGE TOWER.

25X1D

[REDACTED]

OTHER RESULTS-NO APPARENT CHANGE

25X1D

SINHUNG HPP PUJON-GANG 2

25X1D

NAC

STATUS: OPERATIONAL

25X1A

25X1D

[REDACTED]

**25X1D**

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USSR  
AIR BASE FACILITIES

SIGNIFICANT RESULTS

25X1D

KLYUCHEVOYE AIRFIELD  
[REDACTED] NAC

25X1D

STATUS: OPERATIONAL

25X1A

AIR ORDER OF BATTLE:  
14 HELICOPTERS

25X1D

[REDACTED]

25X1D

25X1D

LENINGRAD 13TH TAC AIR ARMY HQ

STATUS: UNKNOWN

25X1A

25X1A

REMARKS:  
THIS INSTALLATION CANNOT BE IDENTIFIED ON SMALL SCALE  
PHOTOGRAPHY.

25X1D

[REDACTED]

25X1D

LENINGRAD/LEVASHEVO AIRFIELD  
[REDACTED] NAC

STATUS: OPERATIONAL

25X1A

AIR ORDER OF BATTLE:  
8 PROB AIRCRAFT

25X1D

[REDACTED]

25X1D

25X1D

SPASSK-DALNIY AIRFIELD EAST

25X1A

25X1A



Handle Via  
Talent Keyhole  
Control System Only

TOP SECRET CHESS RUFF

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TCS-20014/70 - IPIR 18  
KH-4 MISSION 1108

USSR  
AIR BASE FACILITIES

STATUS: OPERATIONAL

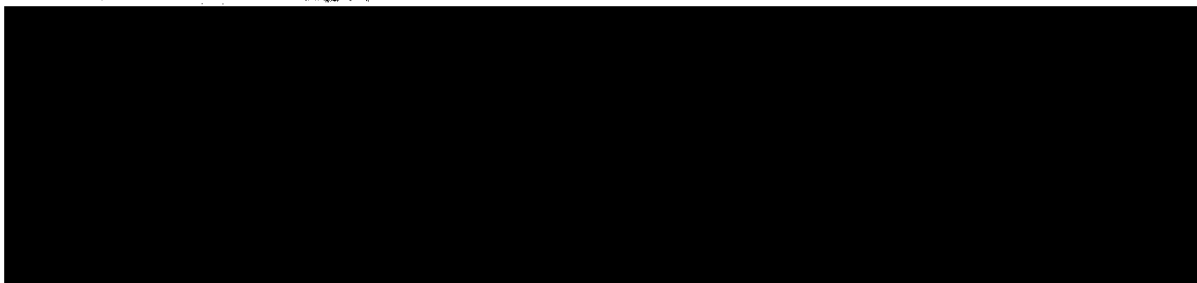
REMARKS:

EIGHT HANGARETTES HAVE BEEN CONSTRUCTED IN THE AREA EAST OF THE NORTH CROSSOVER. THIS BRINGS THE NUMBER OF HANGARETTES AT THIS AIRFIELD TO A TOTAL OF 16.

AIR ORDER OF BATTLE:

14 PROB BADGER

24 SMALL SWEEP/DELTA-WING  
(APPROXIMATELY)



25X1D

OTHER RESULTS-NO APPARENT CHANGE

25X1D

25X1D

GROMOVO AIRFIELD

NAC

STATUS: OPERATIONAL

25X1A

AIR ORDER OF BATTLE:

NONE DISCERNIBLE



25X1D

25X1D

25X1D

LENINGRAD/GORSKAYA AIRFIELD

NAC

STATUS: OPERATIONAL

AIR ORDER OF BATTLE:

NONE DISCERNIBLE

25X1A



25X1D

**25X1D**

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TOP SECRET CHESS RUFF

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KH-4 MISSION 1108

USSR  
GROUND FORCE FACILITIES

SIGNIFICANT RESULTS

25X1D

BAGRATIONOVSK ORD DPO 214 B DO 1 DOLGO  
NAC

25X1D

STATUS: OCCUPIED

25X1A

GROUND FORCE ORDER OF BATTLE:  
AN UNDETERMINED NUMBER OF PROBABLE WEAPONS

25X1D

25X1D

SVOBODNYI POSS MISSILE RELATED FAC

25X1D

25X1A

STATUS: UNDER CONSTRUCTION

PHYSICAL DESCRIPTION:

4.6 NM SSE OF SVOBODNYI. THIS NEWLY IDENTIFIED INSTALLATION  
UNDER CONSTRUCTION CONSISTS OF A WALLED AREA

AND AN ADJACENT SUPPORT AREA. THE WALLED AREA CONTAINS TWO  
EARTH-COVERED ARCH-ROOFED BUILDINGS, TWO ARCH-ROOFED BUILDINGS  
BEING EARTH COVERED, AN EXCAVATION FOR AN ARCH-ROOFED BUILDING,  
SCARRING FOR AN EXCAVATION FOR AN ARCH-ROOFED BUILDING, ONE  
PROBABLE VEHICLE STORAGE FOUNDATION, AND ONE PROBABLE BUILDING  
FOUNDATION. THE SUPPORT AREA IS IMMEDIATELY NORTH OF THE  
WALLED AREA AND CONTAINS SEVEN BARRACKS, FIVE PROBABLE QUONSET  
BUILDINGS, TWO OTHER BUILDINGS, AND SEVEN BUILDING FOUNDATIONS.  
THIRTY LARGE PIECES OF PROBABLE CONSTRUCTION EQUIPMENT ARE  
IMMEDIATELY WEST OF THE WALLED AREA.

MISSILE ORDER OF BATTLE:  
NONE DISCERNIBLE

ASSOCIATED OBJECTS:  
30 PIECES OF PROB  
CONSTRUCTION EQUIPMENT

25X1D

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

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USSR  
GROUND FORCE FACILITIES

25X1D

[REDACTED]

25X1D

UCH ARAL BARRACKS AREA

25X1A

[REDACTED]

25X1D

[REDACTED]

[REDACTED]

25X1A

STATUS:OCCUPIED

REMARKS:

THIS INSTALLATION IS AN INTEGRAL PART OF UCH-ARAL ARMY BARRACKS  
[REDACTED] AND WILL BE REPORTED UNDER  
THAT TARGET IN THE FUTURE.

25X1A

25X1D

[REDACTED]

OTHER RESULTS-NO APPARENT CHANGE

25X1D

BORODINSKOYE ARMY BKS SVOBODNOYE AL 1  
[REDACTED] NAC

25X1D

[REDACTED]

STATUS:OCCUPIED

25X1A

GROUND FORCE ORDER OF BATTLE:  
NONE DISCERNIBLE

25X1D

[REDACTED]

25X1D

KHIITOLA ARMY BARRACKS AL 1  
[REDACTED] NAC

25X1D

[REDACTED]

STATUS:OCCUPIED

25X1A

GROUND FORCE ORDER OF BATTLE:  
NONE DISCERNIBLE

25X1D

[REDACTED]

TOP SECRET CHESS RUFF

**25X1D**

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TALP  
Control System Only

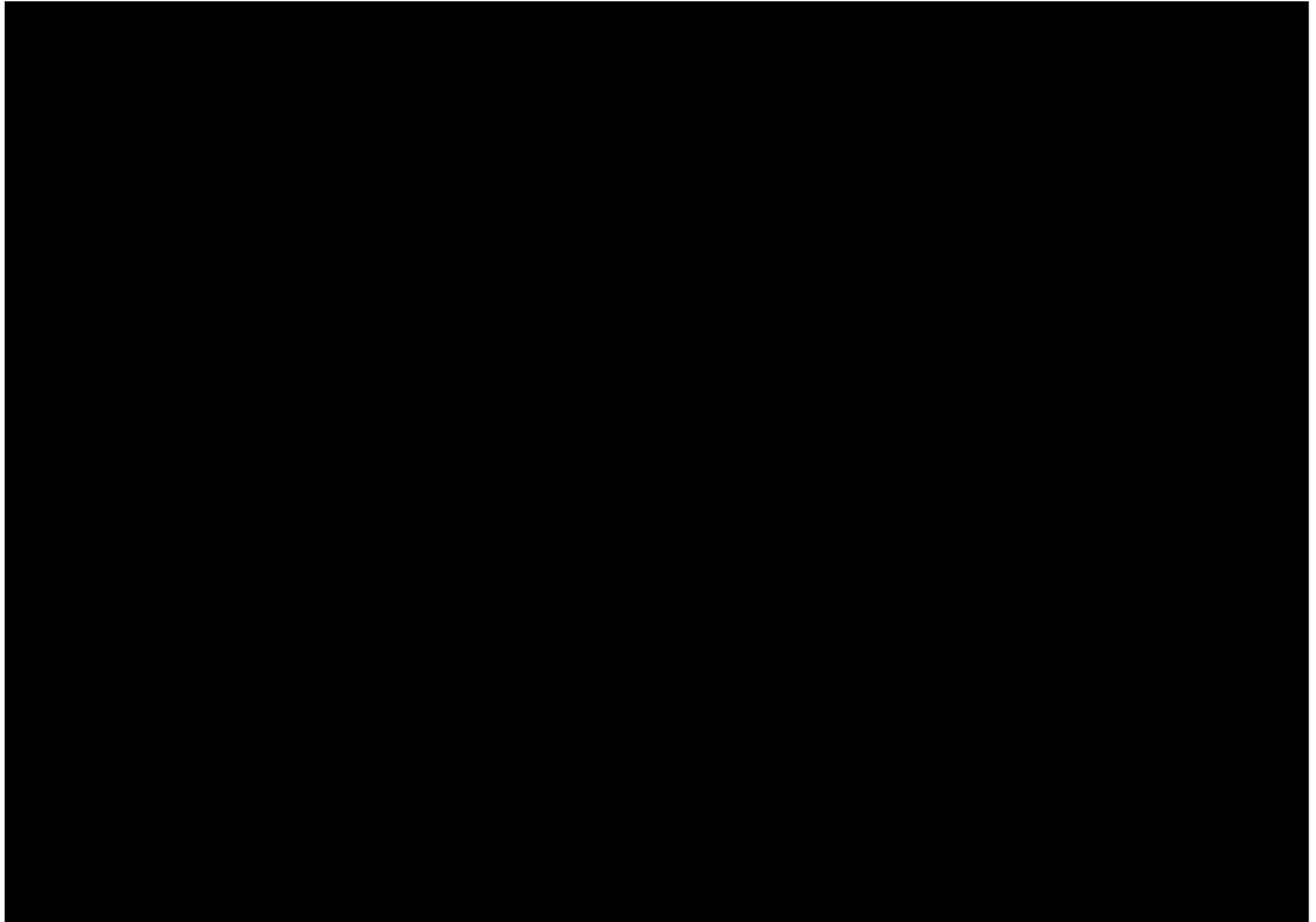
TOP SECRET CHESS RUFF

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NORTH VIETNAM  
AIR DEFENSE MISSILES

SIGNIFICANT RESULTS



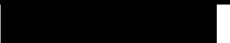
25X1D

HOA BINH SAM SITE B10-2 (259)

25X1D



25X1D



STATUS:ABANDONED

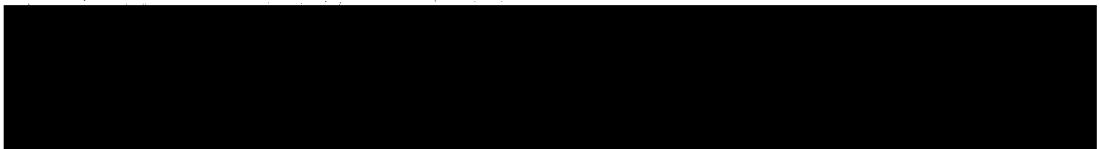
25X1A

25X1A

REMARKS:

THE SITE HAS BEEN ABANDONED AND RETURNED TO CULTIVATION.

25X1D



**25X1D**

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TAMU  
Control System Only

TOP SECRET CHESS RUFF

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TCS-20014/70 - IPIR 18  
KH-4 MISSION 1108

NORTH VIETNAM  
GROUND FORCE FACILITIES

### SIGNIFICANT RESULTS

25X1D

HA NOI ARMY BARRACKS WEST MAI DICH

25X1D

STATUS:OCCUPIED

25X1A

25X1A

#### PHYSICAL DESCRIPTION:

ON THE EASTERN EDGE OF MAI DICH,  
THE INSTALLATION CONSISTS OF 45 BARRACKS (TEN MULTISTORY), FIVE  
ADMINISTRATION BUILDINGS (ONE LARGE U-SHAPED), THREE MESSHALLS  
(TWO LARGE), ONE AUDITORIUM, 38 SUPPORT BUILDINGS, AND ONE  
ATHLETIC FIELD. A PROBABLE SECURITY FENCE SURROUNDS THE  
INSTALLATION.

GROUND FORCE ORDER OF BATTLE:  
3 UNIDENTIFIED VEHICLES

25X1D

25X1D

25X1D

HANOI MILITARY DEPOT XUAN DUC

STATUS:OCCUPIED

25X1A

25X1A

#### PHYSICAL DESCRIPTION:

ON THE NE EDGE OF AI MO AT UTM  
THE INSTALLATION CONSISTS OF SEVEN WAREHOUSES, 11 PROB STORAGE  
BUILDINGS, 20 SUPPORT-TYPE BUILDINGS, ONE H-SHAPED BUILDING,  
AND 17 BARRACKS.

GROUND FORCE ORDER OF BATTLE:  
6 PROB UNIDENTIFIED  
VEHICLES

25X1D



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TAMPER-RESISTANT  
Control System Only

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NORTH VIETNAM  
GROUND FORCE FACILITIES

25X1D

HANOI MOTOR VEHICLE MAINTENANCE FAC

25X1D

STATUS:OCCUPIED

25X1A

25X1A

PHYSICAL DESCRIPTION:

5.1 NM WNW OF HANOI AT UTM [REDACTED] 25X1D  
THE FACILITY CONSISTS OF FOUR LARGE VEHICLE MAINTENANCE  
BUILDINGS, ONE SAWTOOTH-ROOFED BUILDING, AND EIGHT SUPPORT-TYPE  
BUILDINGS.

GROUND FORCE ORDER OF BATTLE:  
10 UNIDENTIFIED VEHICLES  
(APPROXIMATELY)

25X1D

[REDACTED]

25X1D

25X1D

LOC BINH ARMY SUPPLY DEPOT

STATUS:UNKNOWN

25X1A

25X1A

PHYSICAL DESCRIPTION:

1.3 NM SSE OF LOC BINH.  
FIVE STORAGE BUILDINGS AND FOUR SMALL SUPPORT BUILDINGS REMAIN  
INTACT AT THIS INSTALLATION. ALL OTHER BUILDINGS HAVE BEEN  
DISMANTLED.

25X1D

[REDACTED]

25X1D

25X1D

THANH HOA ARMY BARRACKS SOUTH

STATUS:OPERATIONAL

25X1A

25X1A

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KH-4 MISSION 1108

NORTH VIETNAM  
GROUND FORCE FACILITIES

REMARKS:

THE BARRACKS AREA IS BEING RECONSTRUCTED AND CONTAINS SIX  
RECONSTRUCTED BARRACKS, FIVE PROBABLE SUPPORT BUILDINGS,  
APPROXIMATELY TEN SMALL STORAGE/SUPPORT BUILDINGS, AND TEN  
PROBABLE STORAGE BUILDINGS.

25X1D



OTHER RESULTS-NO APPARENT CHANGE

25X1D

CHUC SON ARMY BARRACKS + STORAGE N  
NAC

25X1D

STATUS: UNKNOWN

GROUND FORCE ORDER OF BATTLE:  
NONE DISCERNIBLE

25X1A

25X1D



25X1D

25X1D

SON DONG ARMY BARRACKS AND SCHOOL  
NAC

STATUS: OCCUPIED

GROUND FORCE ORDER OF BATTLE:  
NONE DISCERNIBLE

25X1A

25X1D



25X1D

25X1D

VINH YEN AMMUNITION DEPOT  
NAC

STATUS: OCCUPIED

25X1A

25X1D



**25X1D**

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TOP SECRET CHESS RUFF

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KH-4 MISSION 1108

NORTH VIETNAM  
LOGISTICS

SIGNIFICANT RESULTS

25X1D

25X1D

CST SEG C8 27.5 NM

25X1A

STATUS: UNKNOWN

25X1A

NAVAL ORDER OF BATTLE:  
30 SMALL UNIDENTIFIED CRAFT

25X1D

25X1D

HAI YEN COASTAL TRANSSHIPMENT POINT

25X1D

STATUS: OPERATIONAL

25X1A

25X1A

NAVAL ORDER OF BATTLE:  
6 SMALL WBLC (MOORED NEAR  
THE T-HEAD PIER)

25X1D

25X1D

RR RT 2 SEG B 22 NM

25X1D

25X1A

STATUS: OPERATIONAL

25X1A

ASSOCIATED OBJECTS:  
40 PIECES OF ROLLING STOCK  
(APPROXIMATELY)

25X1D

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TOP SECRET CHESS RUFF

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NORTH VIETNAM  
LOGISTICS

25X1D

RR RT 4 SEG A 27.5 NM

25X1A

25X1D

STATUS: OPERATIONAL

25X1A

ASSOCIATED OBJECTS:  
60 PIECES OF ROLLING STOCK  
(APPROXIMATELY)

25X1D

25X1D

25X1A

25X1D

WTR SEG W79 13 NM

STATUS: UNKNOWN

25X1A

NAVAL ORDER OF BATTLE:  
4 SMALL WBLC

25X1D

OTHER RESULTS-NO APPARENT CHANGE

25X1D

BEN THUY COASTAL TRANSSHIPMENT POINT  
NAC

25X1D

STATUS: NOT OPERATIONAL

25X1A

NAVAL ORDER OF BATTLE:  
NONE DISCERNIBLE

25X1D

25X1D

25X1D

HA TOU COASTAL TRNSHP PT EAST

25X1A

Handle Via

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TOP SECRET CHESS RUFF

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NORTH VIETNAM  
LOGISTICS

STATUS:ABANDONED

REMARKS:

NO VESSELS, CONSTRUCTION, FACILITIES, OR ACTIVITY OF ANY TYPE  
ARE OBSERVED.

NAVAL ORDER OF BATTLE:  
NONE DISCERNIBLE

25X1D

25X1D

25X1D

HAI DUONG RR HWY BR W OV SONG THAI BIN

STATUS:DAMAGED

25X1A

25X1A

REMARKS:

THE BRIDGE REMAINS UNSERVICEABLE.

25X1D

25X1D

25X1D

HWY 1A SEG K 11 NM

25X1A

STATUS:OPERATIONAL

25X1A

GROUND FORCE ORDER OF BATTLE:  
NONE DISCERNIBLE

25X1D

25X1D

25X1D

HWY 1A SEG Z 7 NM

25X1A

STATUS:OPERATIONAL

25X1A

GROUND FORCE ORDER OF BATTLE:  
NONE DISCERNIBLE

25X1D

Handle Via  
Tactical Information  
Control System Only

TOP SECRET CHESS RUFF

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NORTH VIETNAM  
LOGISTICS

25X1D

25X1D RR RT 1 SEG A 23 NM

25X1A

STATUS: OPERATIONAL

ASSOCIATED OBJECTS:  
NONE DISCERNIBLE

25X1D

25X1D

25X1D RR RT 1 SEG B 24.5 NM

25X1A

STATUS: OPERATIONAL

ASSOCIATED OBJECTS:  
NONE DISCERNIBLE

25X1D

25X1D

25X1D RR RT 3 SEG B 24.5 NM

25X1A

STATUS: OPERATIONAL

ASSOCIATED OBJECTS:  
NONE DISCERNIBLE

25X1D

25X1D

25X1D RR RT 4 SEG D 23 NM

25X1A

STATUS: OPERATIONAL

ASSOCIATED OBJECTS:  
NONE DISCERNIBLE

25X1D

Handle Via  
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TOP SECRET CHESS RUFF

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KH-4 MISSION 1108

NORTH VIETNAM  
LOGISTICS

25X1D RR RT 5 SEG A 24 NM 25X1A 25X1D  
25X1D STATUS: OPERATIONAL 25X1A  
ASSOCIATED OBJECTS:  
NONE DISCERNIBLE  
25X1D 25X1D  
25X1D RR RT 7 SEG D 20 NM 25X1A 25X1A  
25X1D STATUS: UNKNOWN 25X1A  
NAVAL ORDER OF BATTLE:  
NONE DISCERNIBLE  
25X1D 25X1D  
25X1D RR RT 9 SEG A 14 NM 25X1A 25X1A  
25X1D STATUS: OPERATIONAL 25X1A  
ASSOCIATED OBJECTS:  
NONE DISCERNIBLE  
25X1D 25X1D  
25X1D RR RT 9 SEG B 14.5 NM 25X1A 25X1A  
25X1D STATUS: OPERATIONAL 25X1A  
ASSOCIATED OBJECTS:  
NONE DISCERNIBLE  
25X1D



**25X1D**

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TOP SECRET CHESS RUFF

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KH-4 MISSION 1108

NORTH VIETNAM  
INDUSTRY

### SIGNIFICANT RESULTS

25X1D

HAI PHONG SHIP RPR YARD NO 3 SAUVAGE

25X1D

STATUS: OPERATIONAL

25X1A

25X1A

#### PHYSICAL DESCRIPTION:

AT THE CONFLUENCE OF THE COMPURE DE HALY AND THE TRAM BACK RIVERS.

25X1D

THE YARD CONTAINS THREE GRAVING DOCKS,

25X1D

25X1D

FOUR FLOATING FITTING-OUT WHARVES, SIX PROBABLE SHOPS, AND FOUR OTHER BUILDINGS.

#### NAVAL ORDER OF BATTLE:

25X1D

NUMEROUS UNIDENTIFIED CRAFT

25X1D

25X1D

HAIPHONG SHIP REPAIR YARD NO 1

25X1D

NAC

STATUS: OPERATIONAL

25X1A

#### NAVAL ORDER OF BATTLE:

25X1D

NUMEROUS WBLC

25X1D

1 POSS PTF  
1 POSS SL-2 COASTER  
1 POSS COASTER

18 BARGES  
4 SMALL UNIDENTIFIED CRAFT

25X1D

Handle Via

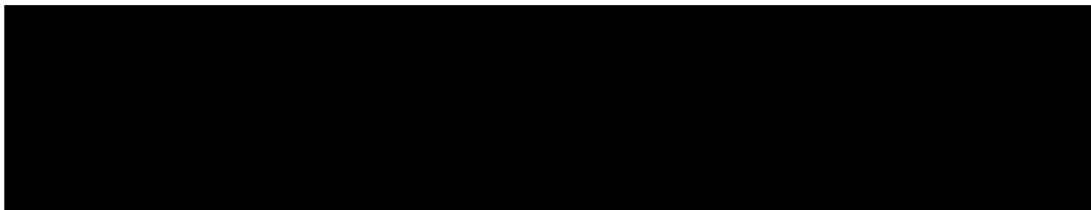
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NORTH VIETNAM  
INDUSTRY

25X1D



OTHER RESULTS-NO APPARENT CHANGE

25X1D.

25X1D

THAI NGUYEN IRON AND STEEL COMBINE  
NAC

STATUS:DAMAGED

25X1A



25X1D

Handle Via  
TAC/KH/ME  
Control System Only

TOP SECRET CHESS RUFF  
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NORTH VIETNAM  
MISCELLANEOUS

SIGNIFICANT RESULTS

25X1D

BAC GIANG COMPLEX

25X1A

25X1D

STATUS: OPERATIONAL

25X1A

REMARKS:

NO VEHICLES, WEAPONS, OR EQUIPMENT ARE OBSERVED. NO INDICATION  
OF TROOP OR SUPPLY BUILDUP IS OBSERVED.

25X1D

## COUNTRY CODES

The following is an alphabetic listing of country codes as compiled from the Basic Encyclopedia. Locations of targets in this report are indicated by the country code preceding the coordinates.

AD	Aden	GO	Gotland Is.	PK	Pakistan (West)
AF	Afghanistan	GR	Greece	PO	Poland
AG	Algeria	GV	Guinea	PT	Portugal
AL	Albania	GW	West Germany	PU	Portuguese Guinea
AM	Andaman and Nicobar Is.	HK	Hong Kong	QA	Qatar
AN	Andorra	HU	Hungary	RA	Rwanda
AO	Angola	ID	Indonesia	RI	Rio Muni
AU	Austria	IF	Ifni	RK	Ryukyu Is.
AZ	Azores Is.	IL	Iceland	RM	Mali
BA	Bahrain Is.	IN	India	RS	Socotra Is.
BK	Botswana (Bechuanaland)	IQ	Iraq	RU	Rumania
BE	Belgium	IR	Iran	RY	Zambia
BH	Bornholm Is.	IS	Israel	RZ	Rhodesia
BI	Balearic Is.	IT	Italy	SB	San Marino
BJ	Nanpo Shoto	IV	Ivory Coast	SD	Sardinia
BM	Burma	JA	Japan	SE	Seychelles Is.
BO	Sabah (N. Borneo)	JK	Jammu and Kashmir	SF	French Somaliland
BS	Lesotho (Basutoland)	JO	Jordan	SG	Sarawak
BT	Bhutan	KE	Kenya	SI	Sicily
BU	Bulgaria	KN	North Korea	SJ	Society Is.
BW	Berlin, West	KS	South Korea	SK	Senegal
BX	Brunei	KU	Kuwait	SL	Sierra Leone
BY	Burundi	LA	Laos	SM	Somali Republic
CA	Canary Is.	LC	Laccadive Is.	SP	Spain
CB	Cambodia	LE	Lebanon	SR	Saudi Arabia
CD	Central African Republic	LI	Liberia	SS	Spanish Sahara
CE	Ceylon	LS	Liechtenstein	ST	Sao Tome E Principe
CG	Chad	LX	Luxembourg	SU	Sudan
CH	China	LY	Libya	SV	Svalbard
CL	Caroline Is.	MA	Malagasy Republic	SW	Sweden
CM	Cameroon	MC	Macao	SY	Syria
CP	Congo (Brazzaville)	MD	Madeira Is.	SZ	Switzerland
CR	Crete	MF	Malaysia	TA	Tanzania
CT	Corsica	MG	Mongolia	TC	Trucial States
CV	Cape Verde Is.	ML	Malta	TH	Thailand
CX	Congo (Leopoldville)	MN	Monaco	TI	Tibet
CY	Cyprus	MO	Morocco	TK	Turkey
CZ	Czechoslovakia	MR	Mascarene Is.	TM	Portuguese Timor
DA	Dahomey	MT	Mauritania	TO	Togo
DE	Denmark	MV	Maldives Is.	TU	Tunisia
DO	Dodecanese Is.	MZ	Mozambique	TW	Taiwan
EG	Egypt	NE	Netherlands	UA	Republic of South Africa
EP	Pakistan (East)	NI	Nigeria	UG	Uganda
ET	Ethiopia	NK	Niger	UR	USSR
FI	Finland	NO	Norway	UV	Upper Volta
FO	Faeroe Is.	NP	Nepal	VN	North Vietnam
FR	France	NS	Surinam	VS	South Vietnam
GA	Gambia	NW	New Guinea	VT	Vatican City
GC	Gabon	NY	Malawi	WA	Swaziland
GE	East Germany	NZ	New Zealand	YE	Yemen
GH	Ghana	OM	Muscat Oman	YU	Yugoslavia
GI	Gibraltar	PI	Philippines		

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